G-LiHT Data Products and Distribution System

Completed Technology Project (2012 - 2013)



Project Introduction

G-LiHT is a portable, airborne imaging system that simultaneously acquires data on the composition, structure, and function of terrestrial ecosystems.

An IRAD award in FY 2011 enabled the G-LiHT concept to be designed, assembled, installed and tested on a NASA fixed-wing, airborne platform.

Anticipated Benefits

G-LiHT was successfully integrated and flown onboard NASA's Cessna 206H as part of a FY2011 IRAD project. During these initial flights, lidar, thermal, and VNIR instruments met or exceeded the expected performance of these sensors.

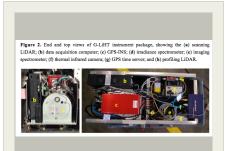
Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Туре	Location
☆Goddard Space Flight Center(GSFC)	Lead	NASA	Greenbelt,
	Organization	Center	Maryland

Primary U.S. Work Locations

Maryland



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Images



G-LiHT Data Products and Distribution System Project

G-LiHT Data Products and Distribution System Project (https://techport.nasa.gov/imag e/4076)



G-LiHT Data Products and Distribution System Project

G-LiHT Data Products and Distribution System Project (https://techport.nasa.gov/imag e/4077)

Project Website:

http://sciences.gsfc.nasa.gov/sed/

Organizational Responsibility

Responsible Mission Directorate:

Mission Support Directorate (MSD)

Lead Center / Facility:

Goddard Space Flight Center (GSFC)

Responsible Program:

Center Independent Research & Development: GSFC IRAD

Project Management

Program Manager:

Peter M Hughes

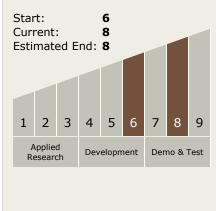
Project Manager:

Matthew J Mcgill

Principal Investigator:

Bruce D Cook

Technology Maturity (TRL)





Center Independent Research & Development: GSFC IRAD

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Technology Areas

Primary:

- TX08 Sensors and Instruments
 - ☐ TX08.1 Remote Sensing Instruments/Sensors
 - ☐ TX08.1.1 Detectors and Focal Planes

